

# Product data sheet

Specifications



Miniature circuit breaker (MCB),  
Multi9 C60SP, 3P, 45A, C curve,  
5kA (UL1077), 10kA (IEC/EN  
60947-2)

M9F22345

Product availability: Non-Stock - Not normally stocked in  
distribution facility

Price\*: 324.00 USD

## Main

|                           |                                                                                                                                                                                                                                                                                                                                                                |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Range                     | Multi9                                                                                                                                                                                                                                                                                                                                                         |
| Product Name              | Multi9 C60                                                                                                                                                                                                                                                                                                                                                     |
| Product Or Component Type | Miniature circuit-breaker                                                                                                                                                                                                                                                                                                                                      |
| Device Short Name         | C60SP                                                                                                                                                                                                                                                                                                                                                          |
| Device Application        | Distribution                                                                                                                                                                                                                                                                                                                                                   |
| Poles Description         | 3P                                                                                                                                                                                                                                                                                                                                                             |
| Number Of Protected Poles | 3                                                                                                                                                                                                                                                                                                                                                              |
| Line Rated Current        | 45 A 77 °F (25 °C) EN/IEC 60947-2                                                                                                                                                                                                                                                                                                                              |
| Network Type              | AC                                                                                                                                                                                                                                                                                                                                                             |
| Trip Unit Technology      | Thermal-magnetic                                                                                                                                                                                                                                                                                                                                               |
| Curve Code                | C                                                                                                                                                                                                                                                                                                                                                              |
| Breaking Capacity         | 10 kA AIR 240 V AC UL 1077<br>10 kA AIR 240 V AC CSA C22.2 No 235<br>6 kA Icu 440 V AC EN/IEC 60947-2<br>10 kA Icu 415 V AC EN/IEC 60947-2<br>20 kA Icu 240 V AC EN/IEC 60947-2<br>6 kA Icu 440 V AC GB 14048.2<br>10 kA Icu 415 V AC GB 14048.2<br>20 kA Icu 240 V AC GB 14048.2<br>5 kA AIR 480Y/277 V AC UL 1077<br>5 kA AIR 480Y/277 V AC CSA C22.2 No 235 |
| Suitability For Isolation | Yes EN/IEC 60947-2                                                                                                                                                                                                                                                                                                                                             |
| Standards                 | EN/IEC 60947-2<br>GB 14048.2<br>UL 1077<br>CSA C22.2 No 235                                                                                                                                                                                                                                                                                                    |
| Product Certifications    | IEC<br>CCC<br>UR<br>CSA                                                                                                                                                                                                                                                                                                                                        |

## Complementary

|                                |                                                             |
|--------------------------------|-------------------------------------------------------------|
| [Ue] Rated Operational Voltage | 240 V AC 50/60 Hz<br>415 V AC 50/60 Hz<br>440 V AC 50/60 Hz |
| Magnetic Tripping Limit        | 8.5 x In +/- 20 % AC                                        |

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

|                                        |                                                                                                                                                                                                                                                                                                                                                                                |
|----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| [Ics] Rated Service Breaking Capacity  | 4.5 kA 75 % EN/IEC 60947-2 - 440 V AC<br>7.5 kA 75 % EN/IEC 60947-2 - 415 V AC<br>15 kA 75 % EN/IEC 60947-2 - 240 V AC<br>4.5 kA 75 % GB 14048.2 - 440 V AC<br>7.5 kA 75 % GB 14048.2 - 415 V AC<br>15 kA 75 % GB 14048.2 - 240 V AC                                                                                                                                           |
| [Ui] Rated Insulation Voltage          | 500 V AC EN/IEC 60947-2                                                                                                                                                                                                                                                                                                                                                        |
| [Uimp] Rated Impulse Withstand Voltage | 6 kVEN/IEC 60947-2                                                                                                                                                                                                                                                                                                                                                             |
| Contact Position Indicator             | Yes                                                                                                                                                                                                                                                                                                                                                                            |
| Control Type                           | Toggle                                                                                                                                                                                                                                                                                                                                                                         |
| Local Signalling                       | ON/OFF indication                                                                                                                                                                                                                                                                                                                                                              |
| Mounting Mode                          | Clip-on                                                                                                                                                                                                                                                                                                                                                                        |
| Mounting Support                       | DIN rail                                                                                                                                                                                                                                                                                                                                                                       |
| 9 Mm Pitches                           | 6                                                                                                                                                                                                                                                                                                                                                                              |
| Height                                 | 3.19 in (81 mm)                                                                                                                                                                                                                                                                                                                                                                |
| Width                                  | 2.13 in (54 mm)                                                                                                                                                                                                                                                                                                                                                                |
| Depth                                  | 2.83 in (72 mm)                                                                                                                                                                                                                                                                                                                                                                |
| Color                                  | Gray                                                                                                                                                                                                                                                                                                                                                                           |
| Mechanical Durability                  | 20000 cycles                                                                                                                                                                                                                                                                                                                                                                   |
| Electrical Durability                  | 10000 cycles                                                                                                                                                                                                                                                                                                                                                                   |
| Provision For Padlocking               | Padlockable                                                                                                                                                                                                                                                                                                                                                                    |
| Connections - Terminals                | Tunnel type terminal top or bottom) 0.00...0.05 in <sup>2</sup> (1...35 mm <sup>2</sup> ) AWG 18...AWG 2) - rigid<br>Tunnel type terminal top or bottom) 0.00...0.04 in <sup>2</sup> (1...25 mm <sup>2</sup> ) AWG 18...AWG 3) - flexible with ferrule<br>Tunnel type terminal top or bottom) 0.00...0.04 in <sup>2</sup> (1...25 mm <sup>2</sup> ) AWG 18...AWG 3) - flexible |
| Wire Stripping Length                  | 0.55 in (14 mm) for top or bottom connection                                                                                                                                                                                                                                                                                                                                   |
| Tightening Torque                      | 30.98 lbf.in (3.5 N.m) top or bottom                                                                                                                                                                                                                                                                                                                                           |
| Earth-Leakage Protection               | Without                                                                                                                                                                                                                                                                                                                                                                        |

## Environment

|                                       |                                                                                  |
|---------------------------------------|----------------------------------------------------------------------------------|
| Ip Degree Of Protection               | IP20 conforming to IEC 60529<br>IP40 (modular enclosure) conforming to IEC 60529 |
| Pollution Degree                      | 3 EN/IEC 60947-2                                                                 |
| Tropicalisation                       | 2 IEC 60068-1                                                                    |
| Relative Humidity                     | 95 % 131 °F (55 °C)                                                              |
| Operating Altitude                    | 0...6561.68 ft (0...2000 m)                                                      |
| Ambient Air Temperature For Operation | -22...158 °F (-30...70 °C)                                                       |
| Ambient Air Temperature For Storage   | -40...176 °F (-40...80 °C)                                                       |

## Ordering and shipping details

|                   |               |
|-------------------|---------------|
| Category          | US10DE200948  |
| Discount Schedule | 0DE2          |
| Gtin              | 3606481168481 |
| Returnability     | No            |

|                   |    |
|-------------------|----|
| Country Of Origin | FR |
|-------------------|----|

## Packing Units

|                              |                          |
|------------------------------|--------------------------|
| Unit Type Of Package 1       | PCE                      |
| Number Of Units In Package 1 | 1                        |
| Package 1 Height             | 2.95 in (7.5 cm)         |
| Package 1 Width              | 2.13 in (5.4 cm)         |
| Package 1 Length             | 3.35 in (8.5 cm)         |
| Package 1 Weight             | 12.98 oz (368 g)         |
| Unit Type Of Package 2       | BB1                      |
| Number Of Units In Package 2 | 4                        |
| Package 2 Height             | 8.66 in (22 cm)          |
| Package 2 Width              | 3.15 in (8 cm)           |
| Package 2 Length             | 3.54 in (9 cm)           |
| Package 2 Weight             | 3.37 lb(US) (1.53 kg)    |
| Unit Type Of Package 3       | S03                      |
| Number Of Units In Package 3 | 48                       |
| Package 3 Height             | 11.81 in (30 cm)         |
| Package 3 Width              | 11.81 in (30 cm)         |
| Package 3 Length             | 15.75 in (40 cm)         |
| Package 3 Weight             | 41.55 lb(US) (18.847 kg) |

Sustainability



**Green Premium™ label** is Schneider Electric’s commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO<sub>2</sub> products.

**Guide to assessing product sustainability** is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

[Learn more about Green Premium >](#)

[Guide to assess a product’s sustainability >](#)



Transparency   RoHS/REACH

Well-being performance

|   |                            |     |
|---|----------------------------|-----|
| ✓ | Mercury Free               |     |
| ✓ | Rohs Exemption Information | Yes |
| ✓ | Halogen Free Product       |     |

Certifications & Standards

|                          |                                                                                                                              |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------|
| Reach Regulation         | <a href="#">REACH Declaration</a>                                                                                            |
| Eu Rohs Directive        | Compliant with Exemptions                                                                                                    |
| China Rohs Regulation    | <a href="#">China RoHS declaration</a><br>Product out of China RoHS scope. Substance declaration for your information.       |
| Environmental Disclosure | <a href="#">Product Environmental Profile</a>                                                                                |
| Weee                     | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins. |
| Circularity Profile      | No need of specific recycling operations                                                                                     |